By A. Fill 7/29/05

| | | | | | | 01/05 |
|----------|--------|--|---|---------------------|---------|------------------|
| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
| S1 | 338 | cement\$3 with gas\$2 with inert\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/27 16:36 |
| S2 | 51903 | "166"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/27 16:36 |
| S3 | 115015 | "106"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/27 16:36 |
| S4 | 15 | S1 and S2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/27 16:38 |
| S5 · | 10 | S4 and (bead\$1 or \$6sphere\$1 or ceramic\$1shpere\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/28 14:41 |
| S6 | 3 | cement\$3 same nitrogen\$1 same (hydraz\$4 or azodicarbonamide\$1 or p\$1toluene\$1sulfonyl\$1semicarbazi de\$1 or carbodi\$1hydrazide\$1) same (oxidiz\$3 or ammonium\$1persulfate\$1 or sodium\$1persulfate\$1 or sodium\$1persulfate\$1 or sodium\$1perborate\$1 or sodium\$1perborate\$1 or sodium\$1perborate\$1 or sodium\$1perborate\$1 or sodium\$1hypochlorite\$1 or sodium\$1hypochlorite\$1 or sodium\$1bromite\$1 or sodium\$1bromite\$1 or sodium\$1bromate\$1 or sodium\$1bromate\$1 or sodium\$1bromate\$1 or | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/28 14:55 |

| S7 | 453 | cement\$3 and nitrogen\$1 and | US-PGPUB; | OR | OFF | 2005/07/28 15:04 |
|-----------|---------|---|---|--------|-----|------------------|
| | | (hydraz\$4 or azodicarbonamide\$1 or p\$1toluene\$1sulfonyl\$1semicarbazi de\$1 or carbodi\$1hydrazide\$1) and (oxidiz\$3 or ammonium\$1persulfate\$1 or sodium\$1persulfate\$1 or potassium\$1persulfate\$1 or sodium\$1perborate\$1 or sodium\$1perborate\$1 or sodium\$1perborate\$1 or sodium\$1perborate\$1 or sodium\$1hypochlorite\$1 or sodium\$1hypochlorite\$1 or sodium\$1bromite\$1 or sodium\$1bromite\$1 or sodium\$1bromite\$1 or sodium\$1bromate\$1 | USPAT; USOCR; EPO; JPO; DERWENT | | | 2333,37,23 23.07 |
| S8 | 51926 | "166"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/28 15:04 |
| S9 | 21 | S7 and S8 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 09:05 |
| S10 | 2 | "5236526".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | · OR · | OFF | 2005/07/28 16:53 |
| S11 | 14 | ("4452898" or "4848465" or "5972103" or "6187720" or "6364945" or h419016 or "6444316" or "6592660").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR · | OFF | 2005/07/29 09:06 |
| S12 | 1. | S11 and cement\$3 and oxidiz\$3 and gas\$2 and (hydrogen\$1 or nitrogen\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 09:40 |
| S13 | 3769341 | S11 and cement\$3 or oxidiz\$3 or gas\$2 or (hydrogen\$1 or nitrogen\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 09:40 |
| S14 | 12 | S11 and (cement\$3 or oxidiz\$3 or gas\$2 or hydrogen\$1 or nitrogen\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 09:53 |

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| S15 | 115031 | "106"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 09:54 |
| S16 | 454 | cement\$3 and nitrogen\$1 and (hydraz\$4 or azodicarbonamide\$1 or p\$1toluene\$1sulfonyl\$1semicarbazi de\$1 or carbodi\$1hydrazide\$1) and (oxidiz\$3 or ammonium\$1persulfate\$1 or sodium\$1persulfate\$1 or potassium\$1persulfate\$1 or sodium\$1chlorite\$1 or sodium\$1perborate\$1 or sodium\$1perborate\$1 or sodium\$1perborate\$1 or sodium\$1hypochlorite\$1 or sodium\$1hypochlorite\$1 or sodium\$1bromite\$1 or sodium\$1bromite\$1 or sodium\$1bromite\$1 or sodium\$1bromate\$1 or sodium\$1bromate\$1 or sodium\$1bromate\$1 or | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 10:45 |
| S17 | 20 | S16 and S15 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 10:17 |
| S18 | 51926 | "166"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 10:17 |
| S19 | 21 | S16 and S18 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 10:17 |
| S20 | 14 | S17 not S19 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR . | OFF | 2005/07/29 10:17 |

| S21 | 1091 | cement\$3 with (oxidiz\$3 or ammonium\$1persulfate\$1 or sodium\$1persulfate\$1 or potassium\$1persulfate\$1 or sodium\$1perborate\$1 or sodium\$1perborate\$1 or sodium\$1perborate\$1 or sodium\$1perboxy\$1carbonate\$1 or calcium\$1hypochlorite\$1 or sodium\$1bromite\$1 or sodium\$1bromite\$1 or sodium\$1bromite\$1 or sodium\$1bromate\$1 or sodium\$1bromate\$1 or sodium\$1bromate\$1 or sodium\$1bromate\$1 or sodium\$1chlorate\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 10:48 |
|-----|-------|---|---|----|------|------------------|
| S22 | 51926 | "166"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 10:46 |
| S23 | 88 | S21 and S22 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 10:47 |
| S24 | 0 | cement\$3 with oxidiz\$3 with (ammonium\$1persulfate\$1 or sodium\$1persulfate\$1 or potassium\$1persulfate\$1 or sodium\$1perborate\$1 or sodium\$1perborate\$1 or sodium\$1peroxy\$1carbonate\$1 or calcium\$1hypochlorite\$1 or sodium\$1hypochlorite\$1 or sodium\$1bromite\$1 or sodium\$1bromite\$1 or sodium\$1bromate\$1 or sodium\$1bromate\$1 or sodium\$1bromate\$1 or | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF. | 2005/07/29 11:47 |
| S25 | 0 | cement\$3 same oxidiz\$3 with (ammonium\$1persulfate\$1 or sodium\$1persulfate\$1 or potassium\$1persulfate\$1 or sodium\$1perborate\$1 or sodium\$1perborate\$1 or sodium\$1peroxy\$1carbonate\$1 or calcium\$1hypochlorite\$1 or sodium\$1hypochlorite\$1 or sodium\$1bromite\$1 or sodium\$1bromite\$1 or sodium\$1bromate\$1 or sodium\$1bromate\$1 or sodium\$1bromate\$1 or sodium\$1bromate\$1 or sodium\$1chlorate\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 12:00 |

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|-----|------|---|---|----|-----|------------------|
| S26 | 3 | cement\$3 and oxidiz\$3 with (ammonium\$1persulfate\$1 or sodium\$1persulfate\$1 or potassium\$1persulfate\$1 or sodium\$1chlorite\$1 or sodium\$1perborate\$1 or sodium\$1peroxy\$1carbonate\$1 or calcium\$1hypochlorite\$1 or sodium\$1hypochlorite\$1 or sodium\$1bromite\$1 or sodium\$1bromite\$1 or sodium\$1bromate\$1 or sodium\$1bromate\$1 or sodium\$1bromate\$1 or | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 10:51 |
| S27 | 3 | cement\$3 and oxidiz\$3 same (ammonium\$1persulfate\$1 or sodium\$1persulfate\$1 or potassium\$1persulfate\$1 or sodium\$1chlorite\$1 or sodium\$1perborate\$1 or sodium\$1peroxy\$1carbonate\$1 or calcium\$1hypochlorite\$1 or sodium\$1hypochlorite\$1 or sodium\$1bromite\$1 or sodium\$1bromite\$1 or sodium\$1bromite\$1 or sodium\$1bromate\$1 or sodium\$1bromate\$1 or | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 11:11 |
| S28 | 6 | cement\$3 and oxidiz\$3 and (ammonium\$1persulfate\$1 or sodium\$1persulfate\$1 or potassium\$1persulfate\$1 or sodium\$1chlorite\$1 or sodium\$1perborate\$1 or sodium\$1peroxy\$1carbonate\$1 or calcium\$1hypochlorite\$1 or sodium\$1hypochlorite\$1 or sodium\$1bromite\$1 or sodium\$1bromite\$1 or sodium\$1bromate\$1 or sodium\$1bromate\$1 or sodium\$1bromate\$1 or sodium\$1bromate\$1 or | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 11:12 |
| S29 | 164 | aluminum with powder same hydrogen same cement\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 11:17 |
| S30 | 14 | S29 and S22 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 11:33 |
| S31 | 1312 | cement\$3 same poro\$4 with air | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 11:34 |

| S32 | 41 | S31 and S22 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 11:34 |
|-----|----|---|---|----|-----|------------------|
| S33 | 37 | oxidiz\$3 with (ammonium\$1persulfate\$1 or sodium\$1persulfate\$1 or potassium\$1persulfate\$1 or sodium\$1chlorite\$1 or sodium\$1perborate\$1 or sodium\$1peroxy\$1carbonate\$1 or calcium\$1hypochlorite\$1 or sodium\$1hypochlorite\$1 or sodium\$1bromite\$1 or sodium\$1bromite\$1 or sodium\$1bromite\$1 or sodium\$1bromate\$1 or sodium\$1bromate\$1 or | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 11:53 |
| S34 | 1 | S33 and S22 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 11:51 |
| S35 | 2 | S33 and S15 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 11:51 |
| S36 | 34 | cement and (ammonium\$1persulfate\$1 or sodium\$1persulfate\$1 or potassium\$1persulfate\$1 or sodium\$1chlorite\$1 or sodium\$1perborate\$1 or sodium\$1peroxy\$1carbonate\$1 or calcium\$1hypochlorite\$1 or sodium\$1hypochlorite\$1 or sodium\$1bromite\$1 or sodium\$1bromite\$1 or sodium\$1bromate\$1 or sodium\$1bromate\$1 or sodium\$1bromate\$1 or | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 11:57 |
| S37 | 2 | S36 and S22 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 11:54 |

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|------------|-------|---|---|----|-----|------------------|
| S38 | 62536 | (ammonium adj persulfate\$1 or sodium adj persulfate\$1 or potassium adj persulfate\$1 or sodium adj chlorite\$1 or sodium adj perborate\$1 or sodium adj peroxy\$1carbonate\$1 or calcium adj hypochlorite\$1 or sodium adj hypochlorite\$1 or sodium adj bromite\$1 or sodium adj hypobromite\$1 or sodium adj bromate\$1 or sodium adj chlorate\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 11:59 |
| S39 | 2207 | S38 and cement | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 11:59 |
| S40 | 54 | cement\$3 same oxidiz\$3 with (ammonium adj persulfate\$1 or sodium adj persulfate\$1 or potassium adj persulfate\$1 or sodium adj chlorite\$1 or sodium adj perborate\$1 or sodium adj peroxy\$1carbonate\$1 or calcium adj hypochlorite\$1 or sodium adj hypochlorite\$1 or sodium adj bromite\$1 or sodium adj bromite\$1 or sodium adj bromate\$1 or sodium adj bromate\$1 or sodium adj chlorate\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 12:00 |
| S41 | 19 | S40 and S22 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/29 12:00 |